

ABSTRACT OF THE DISCLOSURE

There are provided an information recording apparatus for recording information so as to permit to carry out seamless reproduction, when switching a recording layer of an optical disk having a double-layer structure, which is in reproduction condition to another recording layer during reproduction; and an information record medium on which information can be recorded by the information recording apparatus. According to the information recording apparatus of the present invention, a total of amounts of data detected by a data-amount detecting means is sequentially calculated, upon recording data groups each having at least one of video information and audio information, on the information record medium provided with a first recording layer having a first recording capacity and a second recording layer having a second recording capacity; and each data group is sequentially recorded on the first recording layer when the total of the amounts of data thus calculated is judged to be equal to or smaller than the first recording capacity. Each data group is recorded as a minimum unit, and it is therefore possible to carry out seamless reproduction, even when switching the recording layer of the optical disk having the double-layer structure, which is in reproduction condition to another recording layer during reproduction.